

Recombinant Mouse Ang Protein, MYC/DDK-tagged

Cat. No. Ang-602M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse angiogenin, ribonuclease, RNase A family, 5 (Ang), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the pancreatic ribonuclease A superfamily and is a potent inducer of neovascularization. The encoded protein is a secreted multifunctional tRNA-specific ribonuclease that promotes angiogenesis in response to angiogenetic stimuli such as hypoxia, mediates stress-induced translational repression by cleaving cellular tRNAs, stimulates cell proliferation by mediating rRNA transcription in prostate cancer cells, and is involved in neurite pathfinding. This gene resides in a cluster of highly related genes. It shares dual promoters and 5' exons with the ribonuclease, RNase A family 4 gene. Two alternatively spliced variants, with different 5' exons but the same coding exon, have been identified. Multiple pseudogenes have been found for this gene.
Molecular Mass	16.2 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Ang angiogenin, ribonuclease, RNase A family, 5 [Mus musculus (house mouse)]
Official Symbol	Ang
Synonyms	Ang; angiogenin, ribonuclease, RNase A family, 5; Ang1; Rnase5; Rnase5a; AI385586; angiogenin; RNase 5; angiogenin, ribonuclease A family, member 1; angiogenin-1; ribonuclease 5; EC 3.1.27.-
Gene ID	11727
mRNA Refseq	NM_007447
Protein Refseq	NP_031473
UniProt ID	P21570

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